


Substitute Form PTO-1449 (Modified) Information Disclosure Statement by Applicant (Use several sheets if necessary) (37 CFR §1.98(b))	U.S. Department of Commerce Patent and Trademark Office	Attorney's Docket No. 07913-010US1	Application No. 10/550,165
	Applicant Brigham Young University		
	Filing Date September 20, 2005	Group Art Unit	

U.S. Patent Documents							
Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
GK	AA	5,936,076	08/10/99	Higa et al.	—	—	
GF	AB	6,071,884	06/06/00	Koezuka et al.	—	—	

Foreign Patent Documents or Published Foreign Patent Applications								
Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AC							

Other Documents (include Author, Title, Date, and Place of Publication)		
Examiner Initial	Desig. ID	Document
CE	AD	Zhou et al. "Synthesis and NKT Cell Stimulating Properties of Fluorophore- and Biotin-Appended 6 "-Amino-6"-deoxy-galactosylceramides." Organic Letters (2002) vol. 4, No. 8, pp. 1267-1270.

Examiner Signature 	Date Considered 7/16/07
EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

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Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Sheet	1	of	1
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Complete if Known

Application Number	10/550,165
Filing Date	July 21, 2006
First Named Inventor	Paul B. Savage
Art Unit	1623
Examiner Name	Ganapathy Krishnan
Attorney Docket Number	017968-9010 US00

U. S. PATENT DOCUMENTS

[illegible]

FOREIGN PATENT DOCUMENTS

[illegible]

Examiner Signature	G. Karim	Date Considered	7/16/07
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 808. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language. Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/550,165
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				First Named Inventor	Paul B. Savage
				Group Art Unit	1623
				Examiner Name	Ganapathy Krishnan
Sheet	1	of	3	Attorney Docket Number	017968-9010 US00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
GK		BENLAGHA, K. et al., "In Vivo Identification of Glycolipid Antigen-specific T Cells Using Fluorescent CD1d Tetramers," J. Exp. Med. (2000) 191:11:1895-1903.
		COREY et al., "A New Method for the Synthesis of Organic Nitro Compounds," J. Am. Chem. Soc. (1984) 106:3682-3683
		DASCHER, C.C. et al., "CD1 Antigen Presentation and Infectious Disease," Contributions to Microbiology (2003) 10:164-182
		DAVIS, N.J. et al., "Chemical Synthesis of Disaccharides Which are Partial Structures of the Glycosaminoglycan Heparan Sulfate," J. Chem. Soc. (1994) 1:359-368
		HASHIMOTO, S. et al., "Glycosylation Using Glucopyranosyl Fluorides and Silicon-Based Catalysts, Solvent Dependency of the Stereoselection," Tetrahedron Letters (1984) 25:13:1379-1382
		HAYASHI, M. et al., "Simple Synthesis of Glycosyl Fluorides," Chem. Letters (1984) 1747-1750
		KAWANO, T. et al., "CD1d-Restricted and TCR-Mediated Activation of Vα14 NKT Cells by Glycosylceramides," Science (1997) 278:1626-1629
		KHAN, M. et al., "Syntheses and Antiinflammatory Activity of Some 6-aryl-2,3,4,5-tetrahydro-3-pyridazinones," Indian J. Chem. (2000) 39B:614-619
GK		MIYAMOTO, K. et al., "A Synthetic Glycolipid Prevents Autoimmune Encephalomyelitis by Inducing T _H 2 Bias of Natural Killer T Cells," Nature (2001) 413:531-534

Examiner Signature	G. Karim	Date Considered	7/16/07
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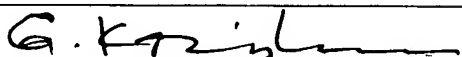
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				Group Art Unit	1623
				Examiner Name	Ganapathy Krishnan
Sheet	2	of	3	Attorney Docket Number	017968-9010 US00

OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS		
Examiner Initials		Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, pages(s), volume-issue numbers(s), publisher, city and/or country where published.
OK		MORITA, M. et al., "Structure-Activity Relationship of α -Galactosylceramides Against B16-Bearing Mice," J. Med. Chem. (1995) 38:2176-2187
		NAKAGAWA, R. et al., "Mechanisms of the Antimetastatic Effect in the Liver and of the Hepatocyte Injury Induced by α -Galactosylceramide in Mice," J. Immun. (2001) 166:II:6578-6584
		PAL, E. et al., "Costimulation-Dependent Modulation of Experimental Autoimmune Encephalomyelitis by Ligand Stimulation of V α 14 NK T Cells," J. Immunol. (2001) 166:662-668
		PARK, S.H. et al., "The Mouse CD1d-restricted Repertoire is Dominated by a Few Autoreactive T Cell Receptor Families," J. Exp. Med. (2001) 8:893-904
		PARK, S.H. et al., "CD1-Restricted T-Cell Responses and Microbial Infection," Nature (2000) 406:788-792
		SAKAI, T. et al., "Effects of α - and β -Galactosylated C2-Ceramides on the Immune System," J. Med. Chem. (1998) 41:650-652
		SINGH, P.P. et al., "The Synthesis of 2,3,4,6,7-Penta-O-Methyl-D-glycero-L-manno-Heptose and 2,4,6,7-Tetra-O-Methyl-D-glycero-L-manno-Heptose," Carbohydrate Res. (1970) 12:261-266
		TAKIKAWA et al., "Diastereoselective Epoxidation of the Double Bond at C-4 of Sphingosines to Provide Phytosphingosine Relatives such as α -Galactosylceramide KRN7000," Tetrahedron (1998) 54:3141-3150
OK		VAULTIER, M. et al., Tetrahedron Letters (1983) 24:763 (NOT IN ENGLISH)

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GK		WANG, B. et al., "CD1-Restricted NK T Cells Protect Nonobese Diabetic Mice from Developing Diabetes," J. Exp. Med. (2001) 194:313-319
GK		WANG, F. et al., "Tuning of Binding Selectivity: Metal Control of Organic Guest Binding and Allosteric Perturbation of Fluorescent Metal Sensor," J. Org. Chem. (1999) 64:8922-8928
GK		WEBER, G. et al., "Synthesis and Spectral Properties of a Hydrophobic Fluorescent Probe: 6-Propionyl-2-(dimethylamino) naphthalene," Biochem. (1979) 18:14:3075-3078

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